DECLARATION AND POWER OF ATTORNEY UNDER 35 USC §371(c)(4) FOR PCT APPLICATION FOR UNITED STATES PATENT

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below under my name;

I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought, namely the invention entitled: OPTICAL DISK, DISK SUBSTRATE, AND DRIVING APPARATUS

described and claimed in international application number <u>PCT/JP99/06202</u> filed <u>November 8, 1999</u>

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations §1.56.

Under Title 35, U.S. Code §119, the priority benefits of the following foreign application(s) filed within one year prior to my international application are hereby claimed:

Japanese Patent Application No. 10-315847 filed on November 6, 1998

Japanese Patent Application No. 11-068489 filed on March 15, 1999

The following application(s) for patent or inventor's certificate on this invention were filed in countries foreign to the United States of America either (a) more than one year prior to my international application, or (b) before the filing date of the above-named foreign priority application(s):

I hereby appoint the following as my attorneys of record with full power of substitution and revocation to prosecute this application and to transact all business in the Patent Office:

James A. Oliff, Reg. No. 27,075; William P. Berridge, Reg. No. 30,024; Kirk M. Hudson, Reg. No. 27,562; Thomas J. Pardini, Reg. No. 30,411; Edward P. Walker, Reg. No. 31,450; Robert A. Miller, Reg. No. 32,771; Mario A. Costantino, Reg. No. 33,565; and Caroline D. Dennison, Reg. No. 34,494.

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA, VIRGINIA 22320, TELEPHONE (703) 836-6400.

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

0	•
0	

1

2

Typewritten Full Name

of Sole or Firs	st Inventor	Katsusuke		SHIMAZAKI	
Inventor's S	ignature	Given Name	Middle Initial	Family Name	
Date of Sign	ature	May	8.	2004	
		Month	Day	Year	
Residence:	Toride-s	hi	<u>Ibaraki</u>	JAPAN JPX	
		City	State or Province	Country	
Citizenship:	Japanese	•		•	

Post Office Address: 404, 1-2-1, Togashira, Toride-shi,
(Insert complete mailing address, including country)

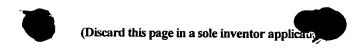
Ibaraki 302-0034 JAPAN

Note to Inventor: Please sign name on line 2 exactly as it appears in line 1 and insert the actual date of signing on line 3.

\sim 1	Typewritten Full Name			
	of Joint Inventor	<u>Yuuji</u>		YAMAZAKI
2	Inventor's Signature:	Given Name	Middle Initial	Family Name
3	Date of Signature:	The same	77	0 _0
3	Date of Signature.	Month	Day	<u> </u>
	Residence: T	oride-shi	<u> Ibaraki</u>	JAPAN JP
		City	State or Province	Country
	Citizenship: Jap	anese		
	Post Office Add	ress: $3-11$, Togas	hira 7-chome, Tor	ide-shi,
	(Insert complete ma address, including o	iling		
_ 1	Typewritten Full Name			
)	of Joint Inventor	<u>Hika</u> ru		MIZUTANI
2	Inventor's Signature:	Given Name	Middle Initial	Family Name
3	Date of Signature:	May	//	2001
	6	Month	Day	Year
	Residence: M	inoh-shi	_Osaka_	JAPAN J
		City	State or Province	Country
	Citizenship: <u>Jap</u>	anese		
	Post Office Add		rai 1-chome, Mino	h-shi,
() 1 () 2	(Insert complete ma address, including c		043 JAPAN	
1	Typewritten Full Name			
V)	of Joint Inventor	Tsuyoshi		MARO
,		Given Name	Middle Initial	Family Name
	Inventor's Signature:	- Tryosh		Mara
3	Date of Signature:	May	9	200
	.	Month	Day	Year'
	Residence:	Otokuni-gun	Kyoto State or Province	JAPAN S
	Citizenship: Japa	City	State of Province	Country
3	Post Office Add	ress: 25, Tatsushi	ima, Ooyamazakicho	o, Otokuni-gun,
	(Insert complete ma	iling		
_	address, including c	ountry) KYOLO 618-00	JOU JAPAN	
$\langle \rangle^1$	Typewritten Full Name	W		OHMA
_	of Joint Inventor	<u>Kenji</u> Given Name	Middle Initial	OHTA Family Name
2	Inventor's Signature:	Lauji	Wildelfe Hilliai	Okta
3	Date of Signature:	May	11	200
		Month	Day	Year
	Residence:	Otokuni-gun	<u>Kyoto</u>	JAPAN O
	Citizenship: Japa	City anese	State or Province	Country
	•		3 03 1	1 1 1
	Post Office Add (Insert complete ma		ado, Shimoueno, O	oyamazakicho,
	address, including o		n, Kyoto 618-0081	JAPAN

Note to Inventor: Please sign name on line 2 exactly as it appears in line 1 and insert the actual date of signing on line 3.

This form may be executed only when attached to the first page of the Declaration and Power of Attorney of the application to which it pertains.



) 1	Typewritten Full Name			
	of Joint Inventor	Hiroyoshi		TAKAGI
2	Inventor's Signature:	Given Name Nizayashi	Middle Initial	Family Name
3	Date of Signature:	Mayor		Jarage
3	Date of Signature.	Month	// Day	Year
	Residence: Kam	eoka-shi /	Kyoto	JAPAN (J
	Citizenship: Japanes	City e	State or Province	Country
	Post Office Address:		iikita Najah Ch	inocho,
	(Insert complete mailing address, including country		jikita, Nojoh, Sh Kyoto 621-0822 J	
1	Typewritten Full Name	namoona Biri	Nyoto ozi-oozz b	ALAN
•		Katsuhiro		TAKAHASHI
		Given Name	Middle Initial	Family Name
2	Inventor's Signature:	Katsuhiro		Takahashi
3	Date of Signature:	May	10	200/
	D	Month	Day	Year
	Residence: Kyo	to-shi City	Kyoto State or Province	JAPAN _
	Citizenship: Japane		State of Province	Country
	Post Office Address:	605 Kareradeo	pesute	
	(Insert complete mailing	38, Nakakuzer	machi 1-chome, Ku	ze, Minami-ku
	address, including country	() <u>Kyoto-shi, K</u>	yoto 601-8213 JAP	AN
1	Typewritten Full Name of Joint Inventor			
		Given Name	Middle Initial	Family Name
2	Inventor's Signature:			
3	Date of Signature:			
	n	Month	Day	Year
	Residence:	City	State or Province	Country
	Citizenship:	City	State of Province	Country
	Post Office Address:			
	(Insert complete mailing address, including country	· · · · · · · · · · · · · · · · · · ·		
1	Typewritten Full Name			
	of Joint Inventor			
2	Inventor's Signature:	Given Name	Middle Initial	Family Name
			· · · · · · · · · · · · · · · · · · ·	
3	Date of Signature:	Month	Day	Year
	Residence:		24)	1 041
		City	State or Province	Country
	Citizenship:			
	Post Office Address: (Insert complete mailing address, including country			

Note to Inventor: Please sign name on line 2 exactly as it appears in line 1 and insert the actual date of signing on line 3.

This form may be executed only when attached to the first page of the Declaration and Power of Attorney of the application to which it pertains.